

Fucokinase Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP8165a**Specification**

Fucokinase Antibody (N-term) Blocking Peptide - Product Information

Primary Accession [Q8N0W3](#)
Other Accession [NP_659496](#)

Fucokinase Antibody (N-term) Blocking Peptide - Additional Information

Gene ID 197258

Other Names

L-fucose kinase, Fucokinase, FUK

Target/Specificity

The synthetic peptide sequence used to generate the antibody AP8165a was selected from the N-term region of human Fucokinase. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

Fucokinase Antibody (N-term) Blocking Peptide - Protein Information

Name FCSK ([HGNC:29500](#))

Function

Takes part in the salvage pathway for reutilization of fucose from the degradation of oligosaccharides.

Tissue Location

Expressed in fibroblasts.

Fucokinase Antibody (N-term) Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

Fucokinase Antibody (N-term) Blocking Peptide - Images

Fucokinase Antibody (N-term) Blocking Peptide - Background

Fucokinase belongs to the GHMP (galacto-, homoserine, mevalonate and phosphomevalonate) kinase family and catalyzes the phosphorylation of L-fucose to form beta-L-fucose 1-phosphate. This enzyme catalyzes the first step in the utilization of free L-fucose in glycoprotein and glycolipid synthesis. L-fucose may be important in mediating a number of cell-cell interactions such as blood group antigen recognition, inflammation, and metastasis.

Fucokinase Antibody (N-term) Blocking Peptide - References

Clark, H.F., et al., Genome Res. 13(10):2265-2270 (2003). Hinderlich, S., et al., Biochem. Biophys. Res. Commun. 294(3):650-654 (2002).